

FORM PTO-1056
LIST OF REFERENCES CITED BY APPLICANT

MAR 22 2004

ATTY. DOCKET NO.
VTE-150-CSERIAL NO.
10/763,500APPLICANT
Moler et al.FILING DATE
January 23, 2004GROUP
Unknown

U. S. PATENT DOCUMENT

| EXAMINER INITIALS | | PATENT NO. | ISSUE DATE | PATENTEE | CLASS | SUBCLASS | FILING DATE |
|----------------------|----|-------------|------------|----------------|-------|----------|-------------|
| <i>TP</i> | AA | 6,567,255 ✓ | 5/20/2003 | Panzer et al. | | | |
| | AB | 4,106,390 ✓ | 8/15/1978 | Kodaira et al. | | | |
| | AC | 6,230,606 ✓ | 5/15/2001 | Sato | | | |
| | AD | 4,080,873 ✓ | 3/28/1978 | Bauer et al. | | | |
| | AE | 4,450,753 ✓ | 5/29/1984 | Basrai et al. | | | |
| | AF | 5,211,196 ✓ | 5/18/1993 | Schweim | | | |
| | AG | 6,305,264 ✓ | 10/23/2001 | Yang et al. | | | |
| | AH | 5,587,536 ✓ | 12/24/1996 | Rasmussen | | | |
| | AI | 4,481,451 ✓ | 11/6/1984 | Kautz et al. | | | |
| | AJ | 4,628,499 ✓ | 12/9/1986 | Hammitt | | | |
| <i>Y</i> | AK | 4,741,247 ✓ | 5/3/1988 | Glomeau et al. | | | |

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| | DOCUMENT NO. | PUBLICATION DATE | COUNTRY OR PATENT OFFICE | CLASS | SUBCLASS | TRANSLATION |
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| | AL | | | | | |
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OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.)

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| <i>TP</i> | AR | Karim Khayati, Pascal Bigras and Louis-A. Dessaint; NONLINEAR CONTROL OF PNEUMATIC SYSTEMS; Ecole de Technologie Supérieure; 1100, rue Notre-Dame Ouest, Montral (Quebec) H3C 1K3. |
| <i>Y</i> | AS | HIGH SPEED SERVO PNEUMATIC ACTUATOR SYSTEMS; (modified on 13 January 2004); Design of High Speed Machinery (DHSM) LINK Programme; Engineering & Physical Sciences Research Council; Department of Trade & Industry; March 1995 to August 1997, Grant Reference: GR/K38663 <i>Summary only</i> |
| <i>Y</i> | AT | Journal of Zhejiang University SCIENCE; (ISSN 1009-3095, Monthly), 2001 vol. 2, no. 2, pages 128-131; CLC Number: TP271.32; Document Code: A; RESEARCH ON THE CONTINUOUS POSITIONING CONTROL TO SERVO-PNEUMATIC SYSTEM; Tao Guo-liang, Wang Xuan-yin, & Lu Yong-xiang <i>Abstract only</i> |

EXAMINER

DATE CONSIDERED

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| FORM PTO-1449 LIST OF REFERENCES CITED BY APPLICANT | | | | ATTY. DOCKET NO. VTE-150-C | | SERIAL NO. 10/763,500 | |
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| | | | | APPLICANT Moler et al. | | | |
| | | | | FILING DATE January 23, 2004 | | GROUP Unknown | |
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| ✓ | AA | 4,763,560 ✓ | 8/16/1988 | Sasaki | | | |
| | AB | 4,790,233 ✓ | 12/13/1988 | Backe et al. | | | |
| | AC | 4,819,543 ✓ | 4/11/1989 | Leinen | | | |
| | AD | 4,878,417 ✓ | 11/7/1989 | Facon | | | |
| | AE | 4,901,625 ✓ | 2/20/1990 | Bussan et al. | | | |
| | AF | 4,932,311 ✓ | 6/12/1990 | Mibu et al. | | | |
| | AG | 5,154,207 ✓ | 10/13/1992 | Bolt | | | |
| | AH | 5,424,941 ✓ | 6/13/1995 | Bolt et al. | | | |
| | AI | 5,950,668 ✓ | 9/14/1999 | Baumann | | | |
| | AJ | 6,003,428 ✓ | 12/21/1999 | Mundie et al. | | | |
| | AK | 6,085,832 ✓ | 7/11/2000 | Stoll et al. | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
| ✓ | AR | MODELING AND SIMULATION OF A SERVOPNEUMATIC GRIPPER; Salvador Esque and Jose LM Lastra, date 10 Dec 99 <i>drawings blanked out</i> | | | | | |
| | AS | MODIFIED FEEDBACK LINEARIZATION CONTROLLER FOR PNEUMATIC SYSTEM WITH NON-NEGLIGIBLE CONNECTION PORT RESTRICTION; Pascal Bigras, Karim Khayati, Tony Wong; University of Quebec | | | | | |
| | AT | ND9000 INTELLIGENT VALVE CONTROLLER; METSO AUTOMATION; date: July 7/2003 | | | | | |
| | AU | INTRODUCING PRECISIONAIRE - A BREAKTHROUGH PNEUMATIC MOTION SYSTEM. | | | | | |
| | AU | AXIS CONTROLLER SPC 200; Festo AG&Co.; Products 2001. | | | | | |
| EXAMINER <i>[Signature]</i> | | | | DATE CONSIDERED 2/10/05 | | | |
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| ↓ | AA | 6,234,060 ✓ | 5/22/2001 | Jolly | ↓ | ↓ | |
| | AB | 6,453,261 | 9/17/2002 | Boger et al. | | | |
| ↓ | AC | 6,523,451 ✓ | 2/25/2003 | Liao et al. | ↓ | ↓ | |
| | AD | | | | | | |
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| ↓ | AR | KUHNKE "SPEEDY" Machine Building Process Module; Switched Pneumatic Electrical Endposition Damping - E835 GB/02 92.652 - | | | | | |
| ↓ | AS | SWITCHED PNEUMATIC ELECTRICAL ENDPOSITION DAMPING; Werner Brockman; University of Lubeck Institute of Computer Engrg, Lubeck, Germany. | | | | | |
| ↓ | AT | BLOCK-ORIENTED NONLINEAR CONTROL OF PNEUMATIC ACTUATOR SYSTEMS; fulin Xiang; Doctoral Thesis, Mechatronics Lab, Department of Machine Design, Royal Institute of Technology, KTH; S-100 44, Stockholm, Sweden, 2001. | | | | | |
| ↓ | AU | HYDRAULIC & PNEUMATIC ACTUATORS; Sensors & Actuators for Mechatronics Hydraulic and Pneumatic Actuators; K. Craig. | | | | | |
| EXAMINER JRD hcp | | | | DATE CONSIDERED 2/20/05 | | | |
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| | | | | APPLICANT Moler et al. | | | |
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| | AR | ADAPTIVE NEURON CONTROL BASED ON PREDICTIVE MODEL IN PNEUMATIC SERVO SYSTEM; Huang Wenmei, Yang Yong, Tang Yali; College of Mechanical and Automotive Engrg. Hunan University, 410082, Changsha, Huna, P.R. China. | | | | | |
| | AS | PROPNEU - AN INTELLIGENT SOFTWARE TOOL; Hong Zhou, Ph.D., Festo AG & Co., Ruitersstr. 82, D-73734 Esslingen, Germany. | | | | | |
| | AT | PNEUMATIC SERVO SYSTEMS CONTROLLED BY SELF-TUNING FUZZY RULES; Akira Shimizu, Satoru Shibata, and Mitsuru Jindai, Dept. of Mech. Eng. Ehime University, 3, Bunkyo-cho, 790-8577, Matsuyama, Ehime, Japan. | | | | | |
| | AU | MODELICA - Proceedings of the 3 rd International Modelica Conference, Linkoping, November 3-4, 2003, Peter Fritzson (editor). | | | | | |
| | AV | HIGH STEADY-STATE ACCURACY PNEUMATIC SERVO POSITIONING SYSTEM WITH PVA/PV CONTROL AND FRICTION COMPENSATION; Shu Ning and Gary M. Bone; Dept. of Mechanical Engrg., McMaster University, Hamilton, Ontario, Canada, L8S 4L7. Proceedings of the 2002 IEEE, International Conference on Robotics & Automation, Washington, DC - May 2002. <i>1 page only</i> | | | | | |
| | AW | A HYBRID PNEUMATIC/ELECTROSTATIC MILLI-ACTUATOR; Kenneth H. Chiang, Ronald S. Fearing; ROBOTICS AND INTELLIGENT MACHINES LABORATORY; Dept. of Electrical Engrg. And Computer Sciences; 265M Cory Hall, University of California, Berkeley, CA 94720-1770 | | | | | |
| | AX | MODELING, IDENTIFICATION, AND CONTROL OF A PNEUMATICALLY ACTUATED, FORCE CONTROLLABLE ROBOT; J.E. Bobrow and B.W. McDonell; Irvine, California 92697. | | | | | |
| | AY | MODELLING AND SIMULATION OF PNEUMATIC CYLINDERS FOR A PHYSIOTHERAPY ROBOT; R. Richardson, A.R. Plummer, M. Brown; School of Mechanical Engrg., University of Leeds, UK; Instron Ltd., UK. | | | | | |
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| TJOL ↓ ✓ | AA | 4,808,874 | 2/28/1989 | Stahlhuth | | | |
| | AB | 5,333,455 | 8/2/1994 | Yoshioka | | | |
| | AC | 5,388,751 | 2/14/1995 | Harada et al. | | | |
| | AD | | | | | | |
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| TJOL ↓ ✓ | AL | JP 01185175 | 24-07-1989 | Japan | | | |
| | AM | WO 0178160 | 18-10-2001 | US | | | |
| | AN | | | | | | |
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| <i>John</i> | AA | 5,465,021 | 11/7/1995 | Visscher et al | | | |
| <i>↓</i> | AB | 4,736,131 | 4/5/1988 | Fujimoto | | | |
| | AC | | | | | | |
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| <i>John</i> | AL | EP 0325764 | 02.08.89 | EP | | | |
| <i>↓</i> | AM | JP 6129681 | 27.12.86 | JP | | | |
| <i>↓</i> | AN | US 2001/0030306 | 10/18/2001 | US | | | |
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| OTHER REFERENCES (including Author, Title, Date, Pertinent Pages, etc.) | | | | | | | |
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| EXAMINER <i>David Lopez</i> | | | | DATE CONSIDERED <i>2/10/05</i> | | | |
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| TJH | AA | 5,431,086 | 7/1995 | Morita et al | 91 | | |
| | AB | | | | 91 | 361 | |
| | AC | | | | | | |
| | AD | | | | | | |
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| TJH | AL | GB 2203195A | 10/1988 | UK | | | |
| ✓ | AM | DE 10122297C1 | 6/2002 | Germany | | | |
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| <i>LM</i> | AA | 6,759,790 ✓ | 7/6/2004 | Bugel et al. | | | |
| | AB | 6,642,067 ✓ | 11/4/2003 | Dwyer | | | |
| | AC | 6,548,938 | 4/15/2003 | Moler et al. | | | |
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